

ABSTRACT OF THE DISCLOSURE

In a fuel injection system for an internal combustion engine in which fuel injectors are arranged on the upstream side and on the downstream side of the throttle valve, respectively, the throttle valve will be prevented from freezing without involving the addition of piping and the like. A fuel injection system for an internal combustion engine includes a device for determining a total injection quantity of each fuel injector, a device for determining a rate of fuel injection for each fuel injector, a device for acquiring temperature information representing the throttle valve temperature, and a device for correcting the fuel injection rate on the basis of the temperature information. The correction device decreases the injection rate of the upstream fuel injector when the throttle valve is at a low temperature.